

SEQUENCE LISTING

<110> Kumagai, Yoshinari
Blacher, Russel
Yoneda, Toshiyuki

<120> "Integrin Binding Motif Containing
Peptides and Methods of Treating Skeletal Diseases"

<130> BEAR-006CIP

<140> Unassigned

<141> 2001-03-19

<150> 09/641,034

<151> 2000-08-16

<160> 50

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<211> 97

<212> PRT

<213> peptide

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			20					25					30		
Ile	Pro	Ser	Asp	Phe	Glu	Gly	Ser	Gly	Tyr	Thr	Asp	Leu	Gln	Glu	Arg
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Gly	Asp	Asn	Asp	Ile	Ser	Pro	Phe	Ser	Gly	Asp	Gly	Gln	Pro	Phe	Lys
	50					55					60				
Asp	Ile	Pro	Gly	Lys	Gly	Glu	Ala	Thr	Gly	Pro	Asp	Leu	Glu	Gly	Lys
65					70					75				80	
Asp	Ile	Gln	Thr	Gly	Phe	Ala	Gly	Pro	Ser	Glu	Ala	Glu	Ser	Thr	His
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Leu

<210> 2

<211> 47

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<400> 2

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Asn	Ile	Asp	Tyr	Leu	Lys	His	Leu	Ser	Lys	Val	Lys	Lys	Ile	Pro	Ser
		20						25					30		
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Arg Gly Asp Ala Gln Lys Ser Pro Val Lys Ser Lys Ser Thr His Arg
1 5 10 15
Ile Gln His Asn Ile Asp Tyr Leu Lys His Leu Ser Lys Val Lys Lys
20 25 30
Ile Pro Ser Asp Phe Glu Gly Ser Gly Tyr Thr Asp Leu Gln Glu
35 40 45

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Ile Gln His Asn Ile Asp Tyr Leu Lys His Leu Ser Lys Val Lys Lys
20 25 30
Ile Pro Ser Asp Phe Glu Gly Ser Gly Tyr Thr Asp Arg Gly Asp
35 40 45

<210> 5
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<400> 5
Arg Gly Asp Ser Pro Val Lys Ser Lys Ser Thr His Arg Ile Gln His
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Asn Ile Asp Tyr Leu Lys His Leu Ser Lys Val Lys Lys Ile Pro Ser
20 25 30
Asp Phe Glu Gly Ser Gly Tyr Thr Asp Leu Gln Glu
35 40

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<212> PRT
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<400> 6
Asp Ser Gln Ala Gln Lys Ser Pro Val Lys Ser Lys Ser Thr His Arg
1 5 10 15
Ile Gln His Asn Ile Asp Tyr Leu Lys His Leu Ser Lys Val Lys Lys
20 25 30
Ile Pro Ser Asp Phe Glu Gly Ser Gly Arg Gly Asp
35 40

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<400> 7
Arg Gly Asp Thr His Arg Ile Gln His Asn Ile Asp Tyr Leu Lys His

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Asp Ser Gln Ala Gln Lys Ser Pro Val Lys Ser Lys Ser Thr His Arg
1 5 10 15
Ile Gln His Asn Ile Asp Tyr Leu Lys His Leu Ser Lys Arg Gly Asp
20 25 30

<210> 13

<211> 21

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<213> peptide

<400> 13

Arg Gly Asp Val Lys Lys Ile Pro Ser Asp Phe Glu Gly Ser Gly Tyr
1 5 10 15
Thr Asp Leu Gln Glu
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Asp Ser Gln Ala Gln Lys Ser Pro Val Lys Ser Lys Ser Thr His Arg
1 5 10 15
Ile Gln His Asn Ile Asp Tyr Leu Lys Arg Gly Asp
20 25

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<400> 15

Arg Gly Asp Ile Pro Ser Asp Phe Glu Gly Ser Gly Tyr Thr Asp Leu
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Gln Glu

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Asp Ser Gln Ala Gln Lys Ser Pro Val Lys Ser Lys Ser Thr His Arg
1 5 10 15
Ile Gln His Asn Ile Asp Arg Gly Asp
20 25

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<400> 17

Arg Gly Asp Asp Phe Glu Gly Ser Gly Tyr Thr Asp Leu Gln Glu
1 5 10 15

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Asp Ser Gln Ala Gln Lys Ser Pro Val Lys Ser Lys Ser Thr His Arg
1 5 10 15
Arg Gly Asp

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Arg Gly Asp Gly Ser Gly Tyr Thr Asp Leu Gln Glu
1 5 10

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Lys Asp Ile Pro Gly Lys Gly Glu Ala Thr Gly Pro Asp Leu Glu Gly
20 25 30
Lys Asp Ile Gln Thr Gly Phe Ala

35

40

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 Lys Asp Ile Pro Gly Lys Gly Glu Ala Thr Gly Pro Asp Leu Glu Gly
 20 25 30
 Lys Asp Ile Gln Thr Gly Phe Ala
 35 40

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 1 5 10 15
 Lys Asp Ile Pro Gly Lys Gly Glu Ala Thr Gly Pro Asp Leu Glu Gly
 20 25 30
 Lys Asp Ile
 35

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<400> 26
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 Lys Asp Ile Pro Gly Lys Gly Glu Ala Thr Gly Pro Asp Leu
 20 25 30

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<400> 27
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 1 5 10 15
 Ala Thr Gly Pro Asp Leu Glu Gly Lys Asp Ile Gln Thr Gly Phe Ala
 20 25 30
 Gly Pro Ser Glu Ala Glu Ser Arg Gly Asp Thr His Leu
 35 40 45

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<400> 28

Ile Pro Gly Lys Gly Glu Ala Thr Gly Pro Asp Leu Glu Gly Lys Asp
 1 5 10 15
 Ile Gln Thr Gly Phe Ala Gly Pro Ser Glu Arg Gly Asp Ala Glu Ser
 20 25 30
 Thr His Leu
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<210> 29
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 Ala Gly Arg Gly Asp Pro Ser Glu Ala Glu Ser Thr His Leu
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 Gly Asp Ile Pro Gly Lys Gly Glu Ala Thr Gly Pro Asp Leu Glu Gly
 20 25 30
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<400> 31
 Gly Lys Gly Glu Ala Thr Gly Pro Asp Leu Glu Gly Lys Asp Ile Arg
 1 5 10 15
 Gly Asp Gln Thr Gly Phe Ala Gly Pro Ser Glu Ala Glu Ser Thr His
 20 25 30
 Leu

<210> 32
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<400> 32
 Phe Ser Gly Asp Gly Gln Pro Phe Lys Asp Ile Pro Gly Lys Gly Glu
 1 5 10 15
 Ala Thr Gly Arg Gly Asp Pro Asp Leu Glu Gly Lys Asp Ile Gln Thr
 20 25 30
 Gly Phe Ala Gly Pro Ser Glu Ala
 35 40

<210> 33

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<400> 33
Asp Gly Gln Pro Phe Lys Asp Ile Pro Gly Lys Gly Glu Ala Thr Gly
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Arg Gly Asp Pro Asp Leu Glu Gly Lys Asp Ile Gln Thr Gly Phe
20 25 30

<210> 34
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<400> 34
Pro Phe Lys Asp Ile Pro Gly Lys Gly Glu Ala Thr Gly Arg Gly Asp
1 5 10 15
Pro Asp Leu Glu Gly Lys Asp Ile Gln
20 25

<210> 35
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Asp Ile Pro Gly Lys Gly Glu Ala Thr Gly Arg Gly Asp Pro Asp Leu
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Glu Gly Lys Asp Ile Gln Thr Gly Phe Ala Gly Pro
20 25

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<400> 36
Asp Gly Gln Pro Phe Lys Asp Ile Pro Gly Lys Gly Glu Ala Thr Gly
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Arg Gly Asp Pro Asp Leu Glu Gly Lys Asp Ile Gln Thr Gly Phe
20 25 30

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20 25

<210> 38
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<400> 38
Glu Ala Thr Gly Arg Gly Asp Pro Asp Leu Glu Gly Lys Asp Ile Gln
1 5 10 15
Thr Gly Phe

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<400> 39
Glu Ala Thr Gly Arg Gly Asp Pro Asp Leu Glu Gly Lys
1 5 10

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Glu Ala Thr Gly Arg Gly Asp Pro Asp Leu
1 5 10

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<400> 41
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<400> 42
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<400> 44
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<210> 45
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<210> 46
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<210> 47
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Asp Gly Gln Pro Phe Lys Asp
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<220>
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<223> Xaa = Any Amino Acid

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